

# ***OPERATIONAL CERTIFICATION OF NOAAPORT***

**Vico Baer  
ISPAN Project Manager  
NWS Office of Systems Operations  
vico.baer@noaa.gov**

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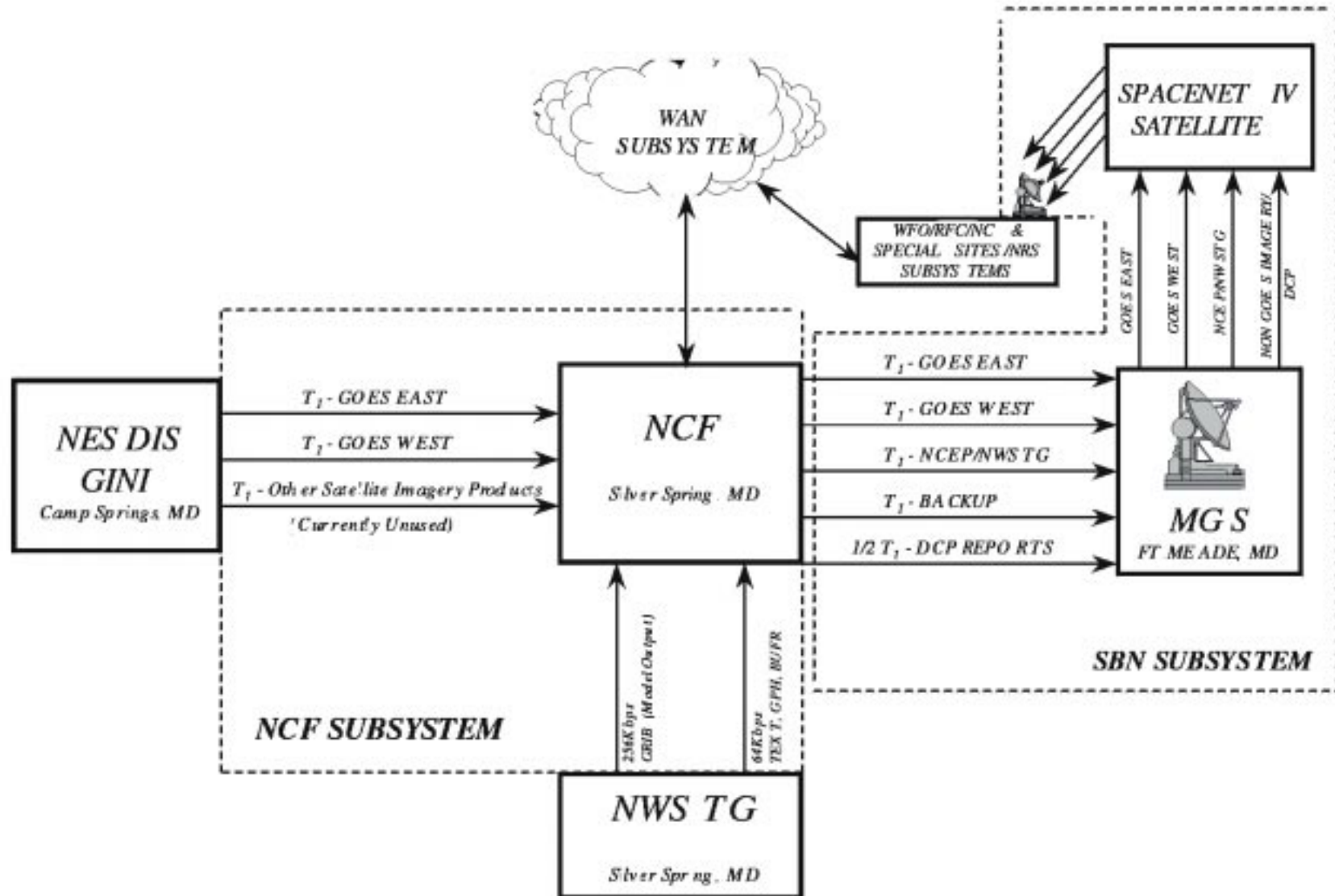
- **NOAAPORT Operational Readiness Demonstration conducted May 1-31, 1998, routine operations, post-analysis of product transmit and receipt logs.**
- **Evaluation Products and criteria preestablished by NWS/NESDIS Team.**
- **NORD Report Completed October 1, 1998**
- **Operational Certification of NOAAPORT signed by Walter Telesetsky Director, Office of Systems Operations on November 25, 1998**
- **FOS and NOAAPORT user notification, week of November 30, 1998**

# **NOAAPORT OPERATIONAL READINESS DEMONSTRATION (NORD)**

## **PURPOSE:**

**“TO DEMONSTRATE AND CERTIFY THAT THE NOAAPORT BROADCAST SERVICE IS OPERATING IN A STABLE CONFIGURATION AND ITS RELIABILITY AND SUPPORT ABILITY HAS ACHIEVED A LEVEL SUCH THAT IT CAN BE DEPENDED UPON TO SUPPORT NWS OPERATIONS, AND THROUGH USE OF COMMERCIAL RECEIVERS, IS READY FOR RELIABLE, ROUTINE ACCESS BY THE EXTERNAL METEOROLOGICAL USER COMMUNITY.” (FROM MARCH 24, 1998 NORD PLAN)**

Figure 1 - Overview of AWIPS/NOAAPORT System



## **SUMMARY OF NORD RESULTS (May 1-31, 1998)**

### **SBN Reliability/Stability**

- **99.9% of the NOAAPORT HDLC frames transmitted on the SBN channels were received without error at the sites. (see Table 1)      (*Exceeds performance criterion of 99.5%*)**
- **99.7% of the lightning data reports transmitted (transmitted via the NWSTG interface once per minute) on the SBN from the NCF were received without error at the sites. (See Table 2)      (*Exceeds performance criterion of 99.5%*)**

### **End-to-end Product Delivery**

- **98.6% of the preselected NORD products (excluding lightning reports) transmitted were successfully received via the SBN at the sites.      (*Exceeds performance criterion of 98.5%*)**

**Note: These end-to-end product delivery results were achieved without the benefit of the automatic SBN product retransmission which was not implemented until July 1998 and with the negative impact described in the following “Circumstances Influencing NORD Results”, Use of Product Schedules in lieu of NWSTG Transmit Logs.**

**Table 1 -NOAAPORT HDLC Frames Lost/Received Statistics  
(May 1998 Data for Gateway and GOES)**

<b>AWIPS Site</b>	<b>HDLC Frames Transmitted</b>	<b>HDLC Frames Lost</b>	<b>HDLC Frames Received</b>
<b>BOX - Boston, MA</b>	<b>32910588</b>	<b>369</b>	<b>32910219</b>
<b>CTP - Central Pa - State College, PA</b>	<b>33040333</b>	<b>413</b>	<b>33039920</b>
<b>DDC - Dodge City, KS</b>	<b>32718368</b>	<b>2087</b>	<b>32716281</b>
<b>DLH - Duluth, MN</b>	<b>31643553</b>	<b>246</b>	<b>31643307</b>
<b>FWD - Dallas/Ft. Worth, TX</b>	<b>32960754</b>	<b>14163</b>	<b>32946591</b>
<b>FWR - West Gulf - Dallas/Ft. Worth, TX</b>	<b>32952636</b>	<b>13686</b>	<b>32938950</b>
<b>GID - Hastings, NE</b>	<b>33089618</b>	<b>1046</b>	<b>33088572</b>
<b>OUN - Oklahoma City, OK</b>	<b>33192078</b>	<b>7224</b>	<b>33184854</b>
<b>PBZ - Pittsburgh, PA</b>	<b>33006858</b>	<b>167</b>	<b>33006691</b>
<b>RHA - Middle Atlantic - State College, PA</b>	<b>33059679</b>	<b>426</b>	<b>33059253</b>
<b>SLC - Salt Lake City, UT</b>	<b>31548205</b>	<b>300</b>	<b>31547905</b>
<b>STR - Colorado Basin - Salt Lake City, UT</b>	<b>31494270</b>	<b>301</b>	<b>31493969</b>
<b>Total</b>	<b>391616940</b>	<b>40428</b>	<b>391576512</b>

**Table 2 - NORD Evaluation Product Lost/Received Statistics  
for May 1-31, 1998**

WMO Header	Product Description	Products Transmitted/ Scheduled	Products Lost	Products Received
SFUS41 KWBC	Lightning Reports	43687	146	43541
TIGE01 KNES	GOES East Visible	2485	5	2480
TIGE02 KNES	GOES East 11 Micron (IR)	3014	2	3012
Subtotal	Total for GOES East Products	5499	7	5492
TIGW01 KNES	GOES West Visible	2372	3	2369
TIGW02 KNES	GOES West 11 Micron (IR)	2775	2	2773
Subtotal	Total for GOES West Products	5147	5	5142
YAUA98 KWBE	ICWF Files	299	0	299
YCUA99 KWBE	Non-ICWF 20km Files	57	5	52
YHRA93 KWBE	Non-ICWF 40km Files	113	2	111
YPAA91 KWBH	First 00hr.-	31	2	29
YRLY00 KWBH	Last 240hr.-	31	2	29
YUIO70 KWBH	Middle 120hr.-	31	2	29
ZDUH98 KWBE	ICWF Files	234	0	234
ZDUO98 KWBE	ICWF Files	235	0	235
ZERH98 KWBE	Non-ICWF 40km Files	62	5	57
ZERO98 KWBE	Non-ICWF 40km Files	62	5	57
ZHQB99 KWBC	RUC (3hr.)	248	6	242
ZHQE99 KWBC	RUC (9hr.)	248	18	230
ZYUH86 KWBE	Non-ICWF 20km Files	62	5	57
ZYUO86 KWBE	Non-ICWF 20km Files	62	5	57
Subtotal	Total for NCEP/Grids Products	1775	57	1718

ABUS21 KDTX	Central Region, MI Max/min Temp & Precip Tables (ARBSTPMI)	67	0	67
FPAK59 PAFG	Alaska Region, AK Zones	173	1	172
FPUS52 KCAE	Eastern Region, SC Zone (CAEZFPSC)	301	1	300
FPUS52 KFFC	Southern Region, GA Zone (ATLZEPGA)	145	10	135
FPUS52 KRAH	Eastern Region, NC Zone (RDUZFPNC)	181	0	181
FPUS53 KDTX	Central Region, MI Zones (ARBZFPMI)	488	1	487
FPUS54 KJAN	Southern Region, MS Zones (JANZFPMS)	124	25	99
FPUS55 KCYS	Central Region, WY Zones (CYSZFPWY)	406	2	404
FPUS56 KSEW	Western Region, WA Zones (SEAZFPWA)	167	0	167
FPUS62 KCAE	Eastern Region, SC State Forecast (CAESFPSC)	109	0	109
FPUS62 KFFC	Southern Region, GA State Forecast (ATLSFPGA)	102	0	102
FPUS62 KRAH	Eastern Region, NC State Forecast (RDUSFPNC)	99	0	99
FPUS63 KDTX	Central Region, MI State Forecast (ARBSFPMI)	65	0	65
FPUS64 KJAN	Southern Reg., MS State Forecast (JANSFPMS)	93	0	93
FPUS65 KCYS	Central Reg., WY State Forecast (CYSSFPWY)	107	1	106
FPUS66 KSEW	Western Reg., WA State Forecast (SEASFPWA)	86	2	84
FZAK61 PAJN	Alaska Region, AK Coastal Marine Forecast	176	2	174
SRUS21 KWBC	SHEF Text Product: River Stages and Observed Precipitation	62	10	52
SRUS44 KLUB	Daily River Stage Text Product for Area of Lubbock, TX	816	2	814
SRUS72 KWOH	SHEF Data Product Created Centrally in the HADS Environment	7440	211	7229
Subtotal	Total for CONUS and Hydrologic Service Products	11207	268	10939
NORD Products	Total of All Nord Evaluation Products (Lightning not included)	23628	337	23291
Grand Total	Grand Total of All Products	67315	483	66832



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# The NOAAPORT User's Page

**☐ URL Address: [www.nws.noaa.gov/noaaport/html/noaaport.shtml](http://www.nws.noaa.gov/noaaport/html/noaaport.shtml)**

**☐ Information Includes:**

- \* “What's New”**
- \* NOAAPORT Program Overview**
- \* NOAAPORT Technical Contacts**
- \* NOAAPORT Reference Documentation**
- \* Satellite Receiver antenna azimuth and elevation information**
- \* NOAAPORT Receiver Technical Characteristics**
- \* Technical Characteristics of the NOAAPORT Data Stream**
- \* NOAAPORT Data Sample Products**
- \* NOAAPORT Receive Equipment Manufacturers List**

**☐ Technical Contacts:**

- \* External Users including industry, public sector and academic institutions -  
Ms. Julie Hayes (OSO151)**
  - \* NWS Internal User Community - Mr. David Helms (OM22)**
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